

D R A F T  
NPIC/TDS/D-1042-67  
12 October 1967

MEMORANDUM FOR: Director, National Photographic Interpretation Center

THROUGH : Chief, Support Staff, NPIC

SUBJECT : Request for Change-in-Scope Amounting to [REDACTED]  
25X1A on [REDACTED] with [REDACTED]  
25X1A [REDACTED] for the Contact Chip Printer Development  
Using FY 1968 R&D Funds. (Proj. No. 10088)

25X1A

1. This memorandum is a request for approval to enter into R&D contractual action using FY 1968 funds for a change-in-scope (amendment to the Contract) on the Contact Chip Printer. 25X1A

2. In June 1964 NPIC contracted with the [REDACTED]

25X1A [REDACTED] for the design and fabrication of a Specific Format Chip Printer under a Cost-Plus-Incentive-Fee contract in the amount of [REDACTED]. There was one change-in-scope under this contract in FY 1966, increasing the total contract amount to [REDACTED]. At that time the Procurement Division negotiated a Contract Ceiling Price of [REDACTED] to limit any possible overrun. In February 1967 NPIC was advised by [REDACTED] that they had expended the entire contract amount of [REDACTED] (excluding fee). This total expenditure of funds was explained by the contractor as understanding he had [REDACTED] available to him under the contract instead of [REDACTED]. It was determined at that time to fund the contract up to the Ceiling Price in order to insure delivery of operable equipment.

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3. This change-in-scope represents effort expended by the contractor in resolving the interface problems created by building a chip processor prior to the printer. Film chip holders and film magazines built by the processor manufacturer were not in accord with drawings furnished by him; therefore, it was necessary for all the holders and magazines to be reworked to meet the critical dimensions necessitated by the printer loading mechanism. The company that designed and built the processor subsequently went out of business, so there was no recourse but to let the printer manufacturer [REDACTED] work out the interface details. Seven major areas were involved in the effort to diagnose and correct the deficiencies in order to make the printer and processor compatible. These areas are:

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- a. Redesign and rework the processor film magazines
- b. Relocation of the magazine-keying arrangement
- c. Redesign and rework the print magazine
- d. Rework all chip holders
- e. Redesign and rework the manual insert and eject mechanism
- f. Prepare and provide detail drawings and parts lists for the above changes.
- g. Modification of the circuitry in the GFE teletype unit, Model 35ASR

All of the above deficiencies have been corrected as it was necessary to proceed with the corrections in order to complete the printer, which is due for in-plant check-out during October 1967.

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4. Upon completion of the in-plant check-out, the Printer will be shipped to [REDACTED] for extensive test and evaluation under [REDACTED] to determine operational characteristics, MTBF, modifications if required, compatability with the associated processor, etc., prior to installation in an operational area.

5. The action contained in this memorandum is considered to be an essential part of the current NPIC R&D program in that the equipment concerned is associated with determining faster and more efficient methods of target analysis, mensuration and eventual storage and retrieval. The funds required for this action will be taken from the planned FY 1968 R&D budget.

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6. It is requested that the change-in-scope for the Contact Chip Printer be approved for contract with the [REDACTED] 25X1A [REDACTED] from FY 1968 R&D funds. It is recommended that the contractual action be a change-in-scope amendment to [REDACTED] 25X1A This action will be handled as a separate project under the R&D program for the Center.

25X1A

[REDACTED]  
Colonel, USAF  
Assistant for Technical Development, NPIC

Attachments:  
R&D Catalog Form  
Proposal

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
ARTHUR C. LUNDAHL  
Director  
National Photographic Interpretation Center

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